

MAIL STOP ISSUE FEE

UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: A.S. Hoffman et al. Attorney Docket No.: UWOTL118949  
Application No.: 09/226,044 Group Art Unit: 1615  
Filed: January 5, 1999 Examiner: G.S. Kishore  
Title: ENHANCED TRANSPORT USING MEMBRANE DISRUPTIVE AGENTS  
REQUEST FOR EXAMINER-INITIALED INFORMATION DISCLOSURE STATEMENT

Seattle, Washington 98101

April 30, 2004

TO THE COMMISSIONER FOR PATENTS:

An Information Disclosure Statement was filed on October 29, 2003 (19 references). A copy of this Information Disclosure Statement is enclosed. Applicants have not received this Examiner-initialed statement. Applicants respectfully request that the Examiner provide the Examiner-initialed Information Disclosure Statement indicating that the references have been considered by the Examiner.

Respectfully submitted,

CHRISTENSEN O'CONNOR  
JOHNSON KINDNESS<sup>PLLC</sup>

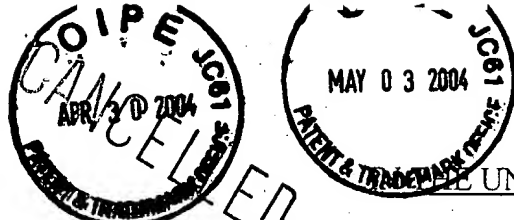
George E. Renzoni, Ph.D.  
Registration No. 37,919  
Direct Dial No. 206.695.1755

I hereby certify that this correspondence is being deposited with the U.S. Postal Service in a sealed envelope as first class mail with postage thereon fully prepaid and addressed to Mail Stop Issue Fee, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the below date:

Date: April 30, 2004

GER:md

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>PLLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100



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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

October 29, 2003

TO THE COMMISSIONER FOR PATENTS:

Applicants are aware of the information listed in the attached form that may be material to the prosecution of the above-identified patent application.

1. X Copies of the listed patents, publications, and other information are enclosed for the Examiner's use.
2. X Pursuant to 37 C.F.R. § 1.97(b), this Information Disclosure Statement is being filed within three months of the filing date of the national application (other than a CPA), within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, before the mailing date of a first Office Action on the merits, or before the mailing date of a first Office Action after the filing of an RCE.
3. X The Commissioner is hereby authorized to charge any fees under 37 C.F.R. §§ 1.16, 1.17 and 1.18 which may be required during the entire pendency of the application, or credit any overpayment, to Deposit Account No. 03-1740. This authorization also hereby includes a request for any extensions of time of the appropriate length required upon the filing of any reply during the entire prosecution of this application. A copy of this document is enclosed.

Respectfully submitted,

CHRISTENSEN O'CONNOR  
JOHNSON KINDNESS<sup>PLLC</sup>

*George E. Renzoni*

George E. Renzoni, Ph.D.

Registration No. 37,919

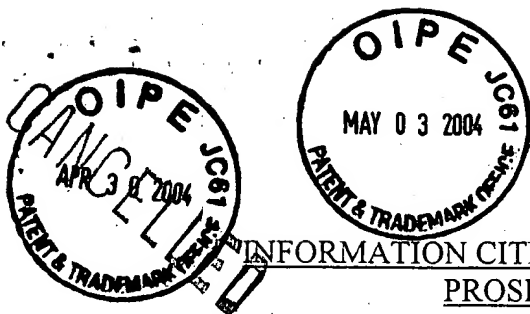
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1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
206.682.8100



INFORMATION CITED BY APPLICANTS THAT MAY BE MATERIAL TO THE  
PROSECUTION OF THE SUBJECT APPLICATION

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U.S. PATENT DOCUMENTS

*Examiner Initials	Cite No.	Document No.	Kind Code	Date (mm/dd/yyyy)	Name
	U8	5,451,411		09/19/1995	Gombotz et al.
	U9	5,770,627		06/23/1998	Inoue et al.
	U10	5,998,588		12/07/1999	Hoffman et al.
	U11	6,165,509		12/26/2000	Hoffman et al.
	U12	6,486,213	B1	11/26/2002	Chen et al.
	U13	5,939,453		08/17/1999	Heller et al.
	U14	6,210,717	B1	04/03/2001	Choi et al.

FOREIGN PATENT DOCUMENTS

*Examiner Initial	Cite No.	Document No.	Kind Code	Publication Date (mm/dd/yyyy)	Country	English Abstract Provided	Translation Provided
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NONE

OTHER INFORMATION

(Including Author, Title, Date, Pertinent Pages, Etc.)

*Examiner Initial	Cite No.	
	O28	Cheung, C.Y., et al., "A pH-Sensitive Polymer That Enhances Cationic Lipid-Mediated Gene Transfer," <i>Bioconjugate Chem.</i> 12:906-910, 2001.
	O29	Cordes, E.H., and H.G. Bull, "Mechanism and Catalysis for Hydrolysis of Acetals, Ketals, and Ortho Esters," <i>Chemical Reviews</i> 74(5):581-603, 1974.

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CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>PLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
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\*Examiner    Cite  
Initial        No.

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- \_\_\_\_\_ O30 Ding, Z., et al., "Synthesis and Purification of Thermally Sensitive Oligomer-Enzyme Conjugates of Poly(*N*-isopropylacrylamide)-Trypsin," *Bioconjugate Chem.* 7:121-125, 1996.
- \_\_\_\_\_ O31 Feijen J., et al., "Thermosensitive Polymers and Hydrogels Based on N-Isopropylacrylamide," *11th European Conference on Biomaterials*, Pisa, Italy, September 10-14, 1994, pp. 256-260.
- \_\_\_\_\_ O32 Fife, T.H., and L.K. Jao, "Substituent Effects in Acetal Hydrolysis," *Journal of Organic Chemistry* 30(5):1492-1495, May 1965.
- \_\_\_\_\_ O33 Hansch, C., and W.R. Glave, "Structure-Activity Relationships in Membrane-Perturbing Agents," *Molecular Pharmacology* 7:337-354, 1971.
- \_\_\_\_\_ O34 Kratz, F., et al., "Drug-Polymer Conjugates Containing Acid-Cleavable Bonds," *Critical Reviews in Therapeutic Drug Carrier Systems*," 16(3):245-288, 1999.
- \_\_\_\_\_ O35 Kyriakides, T.R., et al., "pH-Sensitive Polymers That Enhance Intracellular Drug Delivery In Vivo," *Journal of Controlled Release* 78:295-303, 2002.
- \_\_\_\_\_ O36 Linhardt, J.G., and D.A. Tirrell, "pH-Induced Fusion and Lysis of Phosphatidylcholine Vesicles by the Hydrophobic Polyelectrolyte Poly(2-ethylacrylic Acid)," *Langmuir* 16:122-127, 2000.
- \_\_\_\_\_ O37 Murthy, N., et al., "The Design and Synthesis of Polymers for Eukaryotic Membrane Disruption," *Journal of Controlled Release* 61:137-143, 1999.
- \_\_\_\_\_ O38 Schroeder, U.K.O., and D.A. Tirrell, "Structural Reorganization of Phosphatidylcholine Vesicle Membranes by Poly(2-ethylacrylic acid). Influence of the Molecular Weight of the Polymer," *Macromolecules* 22:765-769, 1989.
- \_\_\_\_\_ O39 Tycko, B., et al., "Rapid Acidification of Endocytic Vesicles Containing Asialoglycoprotein in Cells of a Human Hepatoma Line," *Journal of Cell Biology* 97:1762-1776, 1983 (abstract only).

Examiner

Date Considered

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\*Examiner: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

LAW OFFICES OF  
CHRISTENSEN O'CONNOR JOHNSON KINDNESS<sup>LLC</sup>  
1420 Fifth Avenue  
Suite 2800  
Seattle, Washington 98101  
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